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Data decompressing method with opcode bits for three *dimensional* computer graphic - extracts bit aligned fields from data *stream* after detecting field type, length & normalisation, renormalises bit aligned fields to original numerical scale, outputs decompressed surface describing data in optional triangle strip

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
EP 757333	A2	19970205	EP 96305775	A	19960805	G06T-009/00	199716 B
EP 757333	A3	19970604	EP 96305775	A	19960805	G06T-009/00	199732
JP 9326041	A	19971216	JP 96237116	A	19960805	G06T-015/00	199809
US 5842004	A	19981124	US 95511326	A	19950804	G06F-015/00	199903

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Language, Pages: EP 757333 (E, 44); JP 9326041 (112)

Abstract (Basic): EP 757333 A

The method involves detecting from the data *stream* a field *type* , in which *data* enabling the detecting precedes but not necessarily preceding immediately within the data *stream*. A field length and or field normalisation is also detected in a similar fashion.

Information obtained from these detection steps extracts bit aligned fields from the data *stream*. These bit aligned fields are renormalised to an original numerical scale. Decompressed surface describing data is outputted, in an optional generalised triangle strip format.

ADVANTAGE - Decompressed *stream* of triangle data may be passed to traditional rendering pipeline, where it can be processed in full floating point accuracy, and afterwards displayed or processed.

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